

Appendix F

Lower Fox River Feasibility Study Cost Analysis

TABLE X

Alternative C2: Dredge Sediment With Off-site Disposal (Mechanical Dewatering)

Capital Items	Quantity	Units	Cost
Site Preparation	2	Each	\$200,000
Mobilization - Equipment and Silt Curtain	1	LS	\$170,000
Debris Sweep	526	acre	\$8,416,000
Dredging - 12 hour shifts	747	Day	\$4,257,900
Dredge Monitoring (Water Quality)	747	Day	\$2,241,000
Sediment Removal QA	747	Day	\$896,400
Site Remediation	2	Each	\$1,200,000
Direct Capital:			\$17,381,300
Engineering, Procurement & Construction Management:			\$2,085,756
Contractor Overhead/Profit:			<u>\$2,607,195</u>
Total Capital:			\$22,100,000

SEDIMENT DEWATERING (MECHANICAL)

Capital Items	Quantity	Units	Cost
Mobilization/Site Prep	1	LS	\$100,000
Dewatering	187,106	bd	\$14,968,480
Direct Capital:			\$15,068,480
Engineering, Procurement & Construction Management:			<u>\$1,808,218</u>
Total Capital:			\$16,900,000

WATER TREATMENT

Capital Items	Quantity	Units	Cost
Unit Purchase	484	gpm	\$781,094
Water Treatment (Includes Operator)	729,148,320	gal	\$291,659
Water Treatment QA	1,046	day	\$209,200
Direct Capital:			\$1,281,953
Engineering, Procurement & Construction Management:			<u>\$153,834</u>
Total Capital:			\$1,400,000

TABLE X
SEDIMENT DISPOSAL (Existing NR 500 Commercial Disposal Facility)

Capital Items	Quantity	Units	Cost
Soil Loading	374,212	ton	\$1,047,794
Soil Hauling	374,212	ton	\$1,754,119
Tipping Fees (non-TSCA)	366,498	ton	\$15,759,412
Tipping Fees (TSCA)	7,714	ton	\$424,272
Direct Capital:			\$18,985,597
Engineering, Procurement & Construction Management:			<u>\$2,278,272</u>
Total Capital:			\$21,300,000

INSTITUTIONAL CONTROLS

Capital Items	Quantity	Units	Cost
Deed Restrictions	1	LS	\$5,000
Direct Capital:			\$5,000
Engineering, Procurement & Construction Management:			<u>\$600</u>
Total Capital:			\$5,600

Present Worth of Longer Term Operating Costs	Years	Annual Cost	
Long-term Monitoring (no action)	40	\$300,000	<u>\$4,513,889</u>
Total Present Worth, Long Term O&M Costs			\$4,513,889
Total Project Capital and O&M Cost			\$4,500,000
TOTAL COST			\$66,200,000